AMSAT News Service Weekly Bulletins
Issue: ANS-092
Date: 2011-04-03
Sources: amsat-ans-2011-ans-092-weekly.txt

AMSAT NEWS SERVICE
ANS-093

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:

ans-editor@amsat.org

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SB SAT @ AMSAT $ANS-093.01
ARISSat-1 Operations Possible 11-13 April UTC

AMSAT News Service Bulletin 093.01
  From AMSAT HQ SILVER SPRING, MD.
April 3, 2011
To All RADIO AMATEURS
BID: $ANS-093.01

The ARISSat-1 satellite, presently still inside the ISS, will be turned on and use an external antenna from the afternoon of 11 April UTC through the morning of 13 April to celebrate the 50th anniversary of Yuri Gagarin's first manned space flight. More specific times will be announced as they become available.

AMSAT will support this event and issue certificates to those stations reporting reception of the ARISSat-1 signals. Roscosmos has announced that the satellite will be deployed into orbit during the next EVA in July of this year.

The release of a development version of the BPSK/CW decoding software next week. Schedule specifics of the 12 April operation transmissions are not available yet. These will be posted on the AMSAT and ARISSat1 web sites and in ANS when available.

The transmissions on the 12th will see ARISSat-1 in low power mode, this

means 40-60 secs on, 2 minutes off. It should be a challenge to find and

tune the CW signal then decode some BPSK data during the short on times.

This mode was developed to be used when the batteries are low or the sat-
ellite is in eclipse. During this even data and information will be col-
lected to improve the BPSK demodulating, decoding and display software. Those with the FUNcube Dongle and SDR-IQ and variants are encouraged to record the wideband transmissions to help us better understand the

signals
and improve the ground station software. Information on where to send
the
recordings will be available on the AMSAT and ARISSat1 Web sites.

[ANS thanks Gould, WA4SXM, for the above information]

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SB SAT @ AMSAT $ANS-093.02
Celebrate Yuri - ARISSat-1 Activation

AMSAT News Service Bulletin 093.02
  From AMSAT HQ SILVER SPRING, MD.
April 3, 2011
To All RADIO AMATEURS
BID: $ANS-093.02

RSVP MANDATORY - April 12 is bringing us the 50th anniversary of Yuri Gagarin's space flight - as well as (hopefully!) an activation of ARISSat-1.

Clint Bradford, K6LCS, invites those in the Mira Loma, CA area to come and have some fun that night!

The party Web site URL is
http://tinyurl.com/YURI-K6LCS

There will be exclusive videos to share (even one from Bill Nye, the Science Guy!), history to relate, and - if all works well (grin) - Clint will record celebratory transmissions from the International Space Station and amateur radio satellite ARISSat-1 at 5AM that morning to show you all while you are here! (There's another great pass of the ISS at 9:41PM - but that's technically April 13 GMT...)

Let's use this date to promote everything we've been working on for years: the ham radio hobby, AMSAT, and the future of manned space travel.

RSVP MANDATORY - So we'll know how many goodies to have on hand! Send an email as soon as you can, please! FAMILY- AND CHILDREN-FRIENDLY! (No pony rides, but they can pet noses of our horse and donkey!)

Appetizers, soft drinks, a little wine, and miscellaneous munchies will be served. Prizes, handouts, and freebies to all. The rumor that an offi-
cial "Yuri Gagarin Commemorative T-Shirt" being given away as a door prize has been ... VERIFIED!

Bring a light jacket - in case we try to work the 9:41PM pass. S'mores and fire pits outside? OF COURSE! Rain or shine ...

Tuesday, April 12, 2011 - 6PM to 10PM
Clint and Karen Bradford's house
5085 Trail Canyon Drive
Mira Loma CA 91752
909-241-7666 - Clint cell
Email - clint@clintbradford.com

[ANS thanks Clint, K6LCS, for the above information]

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SB SAT @ AMSAT $ANS-093.03
AMSAT Gets Ready for Dayton Hamvention 2011

AMSAT News Service Bulletin 093.03
  From AMSAT HQ SILVER SPRING, MD.
April 3, 2011
To All RADIO AMATEURS
BID: $ANS-093.03

The 2011 Dayton Hamvention will be held this year May 20-22. This year featured AMSAT attractions include:

+ Operational ARISSat-1 Prototype
+ Astronaut Doug Wheelock, KF5BOC, will be attending as a special guest of the ARRL and AMSAT. Doug will visit the AMSAT booth on both Friday and Saturday.
+ AMSAT theme for 2011 is "Providing Education Through Amateur Satellites"

Check out AMSAT's Hamvention posted at ...
http://www.amsat.org/amsat-new/hamvention/2011/Dayton.php
for the latest events:

+ AMSAT theme for 2011 is "Providing Education Through Amateur Satellites"

+ ARISSat-1

+ AMSAT Thursday Night Get-together

+ AMSAT Forum

+ AMSAT/TAPR Banquet

This is the 60th year of the Dayton Hamvention, sponsored by DARA (Dayton Amateur Radio Association). As has been the case for the many years the Hamvention will be at the Hara Arena Complex on the north side of Dayton. Further information on Hamvention 2011, including advance ticket sales and motel accommodations, can be found at http://www.hamvention.org.

AMSAT will occupy the same booths (444-449) in Ball Arena, right across from the ARRL area and just inside the door from the Satellite Demonstration area. Plan to visit all of the AMSAT activities!

AMSAT/TAPR Banquet

The fifth annual AMSAT/TAPR Banquet will be Friday night May 20 at the Kohler Presidental Banquet Center. The Banquet speaker will be David Rowe, VK5DGR talking on The Village Telco. Additional information about the talk can be found on the AMSAT Web site, 2011 Hamvention,

Banquet page.

Seating is limited and reservations are required. Go to the Dayton Banquet 2011 link:
http://www.amsat.org/amsat-new/hamvention/2011/Banquet.php to find information about reservations and additional information.

AMSAT Hotel

AMSAT has only a few rooms left in the reserved block at the Country Inn & Suites in Fairborn, OH. Please contact Martha at the AMSAT

office for room price and availability during Hamvention. Priority for rooms will be given to those volunteering to work in the AMSAT booth for multiple 2 hour shifts during Hamvention. The phone number for the AMSAT office is 301-589-6062. Other hotels in the immediate area of the Country inn & Suites include the Fairfield Inn, Ramada Inn, Hampton Inn, Fairborn Holiday Inn, Red Roof Inn and the Homewood Suites if additional accommodations are needed.

[ANS thanks Gould Smith, WA4SXM for the above information]

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SB SAT @ AMSAT $ANS-093.04
Satellite Shorts From All Over

AMSAT News Service Bulletin 093.04
From AMSAT HQ SILVER SPRING, MD.
April 3, 2011
To All RADIO AMATEURS
BID: $ANS-093.04

+ Look for Bryan, KL7CN to be active in a holiday-style DXpedition on the FM satellites from various Caribbean locations starting Sunday, April 3. Bryan will start /KP4 from San Juan, and then operate /MM from as many grids as we can, followed by J6/ from St. Lucia, then as V25CN from Antigua, then as a very special FS/PJ7 operation from the border monument on St. Martin, then /KP2 from St. Croix, and finally again as /KP4.

+ A video of the March 26 launch of an Amateur Radio near-space balloon by the Old Towne Middle School in Ridgeland, MS is now available at: http://tinyurl.com/42ufohw (Southgate)

+ Two videos of the Amateur Radio satellite SwissCube are now available at: http://tinyurl.com/3uqlhn4 (Southgate)

+ Russia's Elektro-L weather forecasting spacecraft captured a stunning view of the Moon over the Red Sea region of the Earth. It can be viewed at:http://tinyurl.com/4ajwqs5 (UniverseToday)

+ NASA is offering you a chance to vote for your favorite tunes to be played as the wake up song during the STS-134 mission, which is currently scheduled to launch on April 19, 2011. Voting will be open until mission launch day. You can find the list and listen to the songs and cast your vote at: https://songcontest.nasa.gov/toporig.aspx

+ Austin, Texas Fox News coverage of the ARISS school contact with the Lehman High School in Kyle, Texas is posted at: http://tinyurl.com/iss-lehman

+ AMSAT's Keeper of the Keps, Ray Hoad, WA5QGD reported this week, the following two changes have been made to the KEP distribution:
1. FAST1-2 has separated into FAST1 and FAST2. Each now has its own set of KEPs as FAST1 (cat# 37227) and FAST2 (cat# 37380).
2. The Cat# of NANOSAIL-D (listed in the KEPs as NANOSALD) has been corrected from Cat# 37225 to Cat# 37361 per Spacetrack website.
You can subscribe to the AMSAT Keps mailing list at: http://amsat.org/mailman/listinfo/keps

+ Congratulations and welcome home to Jim, ND9M/VQ9JC on the completion of a two month sea voyage where he provided dozens of wet-grids from his maritime mobile operation. Jim says he is working on getting his

logs together and post a trip wrap up in a few days once he gets the numbers compiled. Jim wrote, "Thanks for helping to make the two-month voyage a memorable one!"

+ Luis, LU6QI reported continued success in stretching AO-7's footprint with a Mode B contact on March 26 with Sebastian, W4AS for a distance of 6715 km.

+ Tetsu, JA0CAW has posted three videos showing the AMSAT-UK FUNcube SDR Dongle being used to receive satellites:
1. Using FUNcube Dongle with DK3WN satcontrol_fcd software, SDRadio software, and Delfi-C3 RASCAL software to decode telemetry: http://www.youtube.com/watch?v=-RphZikoA
2. FUNcube Dongle receiving AO-51 satellite: http://www.youtube.com/watch?v=jKwVlMqCc&NR= 3. FUNcube Dongle receiving UO-11 satellite: http://www.youtube.com/watch?v=rNvhRIqmo

+ Dave, KB1PVH is heading up the July 4th 13 Colonies Special Event. He is in need of satellite operators from NH, CT, NJ, and most likely RI. If you are from one of those states and want to be a part of the event email Dave directly at: kb1pvh@gmail.com More information of the 13 Colonies Special Event can be found on-line at: http://www.13colonies.info/

[ANS thanks everyone for the above information]

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SB SAT @ AMSAT $ANS-093.05
ARISS Recent School Contacts

AMSAT News Service Bulletin 093.05
From AMSAT HQ SILVER SPRING, MD.
April 3, 2011
To All RADIO AMATEURS
BID: $ANS-093.05

On Wednesday, March 23, Paolo Nespoli, IZ=JPA spoke with students from Istituto Comprensivo di Verano Brianza - Scuola Media in Italy via an Amateur Radio on the International Space Station (ARISS) contact. Nespoli, an alumnus of the school, exchanged greetings with the youth and answered 15 of their questions. Approximately 250 students, teachers and guests were on hand for the event which received regional and local media coverage. The contact supplemented course studies emphasizing astronautics, astronomy, radio techniques and English.

Students from two schools in Italy, Istituto Comprensivo "G. Manzi" and Istituzione Scolalstica "Saint-Roch" jointly participated in an Amateur Radio on the International Space Station (ARISS) contact with astronaut Paolo Nespoli, IZ=JPA on Saturday, March 26. The activity was part of a curriculum concentrating on space, technology and human spaceflight. Nespoli fielded thestudents' 34 questions over 2 consecutive ISS passes as 400 students and visitors gathered for the event. Regional and local media reported the event.

[ANS thanks Carol, KB3LKI, for the above information]

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In addition to regular membership, AMSAT offers membership in the

President's Club. Members of the President's Club, as sustaining donors
to AMSAT Project Funds, will be eligible to receive additional benefits.

Application forms are available from the AMSAT Office.

73,
This week's ANS Editor,
Lee McLamb, KU4OS